L Number	Hits	Search Text	DB	Time stamp
1	4447	((257/79) or (257/80) or (257/81) or	USPAT;	2003/11/03 11:30
		(257/82) or (257/83) or (257/84) or	US-PGPUB	
		(257/85) or (257/86) or (257/86) or		
		(257/87) or (257/88) or (257/89) or	:	
		(257/90) or (257/91) or (257/92) or		1
		(257/93) or (257/94) or (257/95) or		
		(257/96) or (257/97) or (257/98) or		
		(257/99) or (257/100) or (257/101) or (257/102) or (257/103)).CCLS.		
2	8	(((257/79) or (257/80) or (257/81) or	USPAT;	2003/11/03 11:32
2	U	((257/82) or (257/83) or (257/84) or	US-PGPUB;	2003, 11, 03 11,03
		(257/85) or (257/86) or (257/86) or	EPO; JPO;	
1		(257/87) or (257/88) or (257/89) or	DERWENT;	1
		(257/90) or (257/91) or (257/92) or	IBM_TDB	
		(257/93) or (257/94) or (257/95) or		
		(257/96) or (257/97) or (257/98) or		
		(257/99) or (257/100) or (257/101) or		
		(257/102) or (257/103)).CCLS.) and (GaNP GaPN gallium adj phosphide adj nitride)		
1		and cubic		
_	0		USPAT;	2003/10/23 17:12
	_	phosphide) and light-emitting.ti,ab.").PN.	US-PGPUB;	
İ			EPO; JPO;	]
			DERWENT;	]
			IBM_TDB	
-	12	(GaNP or gallium adj nitride adj	USPAT;	2002/05/31 07:10
i i		phosphide) and light-emitting.ti,ab.	US-PGPUB; EPO; JPO;	1
1			DERWENT;	
			IBM TDB	
_	4	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	USPAT;	2002/05/30 16:53
		adj nitride adj phosphide) and	US-PGPUB;	
		light-emitting.ti,ab. and boron adj	EPO; JPO;	
		phosphide near3 buffer	DERWENT;	}
		(C. V.D H.G. V	IBM_TDB	2002/05/20 16:54
-	4	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide) and	USPAT; US-PGPUB;	2002/05/30 16:54
		light-emitting.ti,ab. and (BP or boron adj	EPO; JPO;	
		phosphide) near6 buffer	DERWENT;	
	i		IBM TDB	
-	7	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	USPĀT;	2002/05/30 16:58
		adj nitride adj phosphide or GaN near6 P	US-PGPUB;	
		or GaN near6 phosphorus or gallium adj	EPO; JPO;	
İ		nitride near6 (phosphorus or P)) and	DERWENT; IBM TDB	1
		light-emitting.ti,ab. and (BP or boron adj phosphide) near6 buffer	1BM_1DB	
-	4	(GanP or "Gan.sub.1-x.P.sub.x" or gallium	USPAT;	2002/05/30 17:07
	_	adj nitride adj phosphide or GaN near6 P	US-PGPUB;	
		or GaN near6 phosphorus or gallium adj	EPO; JPO;	Ì
		nitride near6 (phosphorus or P)) and	DERWENT;	
		(257/8\$5.ccls. or 257/9\$5.ccls. or	IBM_TDB	
İ		257/100.ccls. or 257/101.ccls. or		
		257/102.ccls. or 257/103.ccls.) and (BP or boron adj phosphide) near6 buffer		-
_	4	(Ganp or Gaph or gallium adj phosphide adj	USPAT;	2002/05/30 17:09
	•	nitride or "GaN.sub.x.P.sub.1-x" or	US-PGPUB;	
		"GaN.sub.1-x.P.sub.x" or gallium adj	EPO; JPO;	
		nitride adj phosphide or GaN near6 P or	DERWENT;	
		GaN near6 phosphorus or gallium adj	IBM_TDB	
		nitride near6 (phosphorus or P)) and		
ļ		(257/8\$5.ccls. or 257/9\$5.ccls. or 257/100.ccls. or 257/101.ccls. or		
		257/100.ccls. or 257/101.ccls. or 257/102.ccls.) and (BP or	1	Į.

-	4	(GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.1-x" or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/30 17:10
-	4	nitride near6 (phosphorus or P) or GaN near6 (P or phosphorus)) and (257/8\$5.ccls. or 257/9\$5.ccls. or 257/100.ccls. or 257/101.ccls. or 257/102.ccls. or 257/103.ccls.) and (BP or boron adj phosphide) near6 buffer (GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.1-x" or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/30 17:28
-	342	nitride near6 (phosphorus or P) or (gallium adj nitride or GaN) near6 (P or phosphorus)) and (257/8\$5.ccls. or 257/9\$5.ccls. or 257/100.ccls. or 257/101.ccls. or 257/102.ccls. or 257/101.ccls.) and (BP or boron adj phosphide) near6 buffer (GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.l-x" or	USPAT; US-PGPUB;	2002/05/30 17:29
		"GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj nitride near6 (phosphorus or P) or (gallium adj nitride or GaN) near6 (P or phosphorus)) and (257/8\$5.ccls. or 257/9\$5.ccls. or 257/100.ccls. or 257/101.ccls. or 257/102.ccls. or 257/103.ccls.)	EPO; JPO; DERWENT; IBM_TDB	
	275	(GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.1-x" or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj nitride near6 (phosphorus or P) or (gallium adj nitride or GaN) near6 (P or phosphorus)) and (257/8\$5.ccls. or 257/9\$5.ccls. or 257/100.ccls. or 257/101.ccls. or 257/102.ccls. or 257/103.ccls.) and buffer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/30 17:30
	4	(GaNP or GaPN or gallium adj phosphide adj nitride or "GaN.sub.x.P.sub.1-x" or "GaN.sub.1-x.P.sub.x" or gallium adj nitride adj phosphide or GaN near6 P or GaN near6 phosphorus or gallium adj nitride near6 (phosphorus or P) or (gallium adj nitride or GaN) near6 (P or phosphorus)) and (257/8\$5.ccls. or 257/9\$5.ccls. or 257/101.ccls. or 257/102.ccls. or 257/103.ccls.) and buffer near12 (boron adj phosphide or bp)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/30 17:34
-	489	(257/79).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/05/30 17:35
-	435	(257/80).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/05/30 17:35
-	366	(257/81).CCLS.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/30 17:35

<u> </u>	814	(257/82).CCLS.	USPAT;	2002/05/30 17:35
	014	(237,027.0033.	US-PGPUB;	2002/03/30 17.33
			EPO; JPO;	
			DERWENT; IBM TDB	
-	106	(257/83).CCLS.	USPAT;	2002/05/30 17:35
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	380	(257/84).CCLS.	USPAT;	2002/05/30 17:35
			US-PGPUB; EPO; JPO;	
	ļ		DERWENT;	
	205	(257/85).CCLS.	IBM_TDB USPAT;	2002/05/20 17.25
-	203	(237/63).CCLS.	US-PGPUB;	2002/05/30 17:35
			EPO; JPO;	
			DERWENT;	
-	229	(257/86).CCLS.	IBM_TDB USPAT;	2002/05/30 17:35
	1	, , , , , , , , , , , , , , , , , , , ,	US-PGPUB;	2002,00,00 1,700
			EPO; JPO;	
			DERWENT; IBM TDB	
_	56	(257/87).CCLS.	USPĀT;	2002/05/30 17:35
			US-PGPUB;	
)			EPO; JPO; DERWENT;	
			IBM_TDB	
-	488	(257/88).CCLS.	USPAT;	2002/05/30 17:35
ļ			US-PGPUB; EPO; JPO;	
			DERWENT;	
	175	(057,400), ggr a	IBM_TDB	0000/05/00 17 05
-	175	(257/89).CCLS.	USPAT; US-PGPUB;	2002/05/30 17:35
			EPO; JPO;	
			DERWENT;	
_	83	(257/90).CCLS.	IBM_TDB USPAT;	2002/05/30 17:36
		(2377 367 1 3625 1	US-PGPUB;	2002,03,30 17730
			EPO; JPO;	
			DERWENT; IBM_TDB	
-	147	(257/91).CCLS.	USPAT;	2002/05/30 17:36
			US-PGPUB;	
			EPO; JPO; DERWENT;	İ
			IBM TDB	
-	49	(257/92).CCLS.	USPAT;	2002/05/30 17:36
			US-PGPUB; EPO; JPO;	
			DERWENT;	
_	146	(257/93).CCLS.	IBM_TDB USPAT;	2002/05/30 17:36
-	140	(231/33).0043.	USPAT; US-PGPUB;	2002/05/30 17:36
			EPO; JPO;	
			DERWENT;	
_	685	(257/94).CCLS.	IBM_TDB USPAT;	2002/05/30 17:36
]			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
-	239	(257/95).CCLS.	USPĀT;	2002/05/30 17:36
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	

- 327 (257/96).CCLS.					10000 (05 (00 17 05)
- 327 (257/97).CCLS. SEC. JPO) DERMENT; HM TOB	-	445	(257/96).CCLS.	USPAT;	2002/05/30 17:36
- 1241 (257/98).CCLS.		1			
Tem Tob   USPAT; US-FGUB; EPO, JPO; DERMENT; ISS POUR   USPAT; US-FGUB; EPO, JPO; DERMENT; ISS POUR   USPAT; USP					
- 1241 (257/98).CCLS.   USPĀT; US-RĢUB; EPO, JPO; DEKREMT; IS DEO, JPO; DEKREMT; IS DEO, JPO; DEKREMT; IS DEO, JPO; DEKREMT; IS DEO, JPO; DEKREMT; IS DEO, JPO; DEKREMT; IS DEO, JPO; DEKREMT; IS DECKEMEN; IS DECKEMEN; IS DEKREMT; IS DE		1			
1241   (257/98).CCLS.   135-PGPUS   FEOL JPCO   DERMENT;   IEM_TDB   1351   (257/99).CCLS.   1351   (257/99).CCLS.   1351   (257/99).CCLS.   1351   (257/99).CCLS.   1351   (257/100).CCLS.   1352   (257/100).CCLS.   1354   (257/100).CCLS.   1354   (257/100).CCLS.   1354   (257/100).CCLS.   1354   (257/100).CCLS.   1354   (257/100).CCLS.   1354   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   1355   (257/100).CCLS.   (	_	327	(257/97).CCLS.		2002/05/30 17:36
- 1241 (257/98).CCLS.	1	02.	(2077) 77 700000	US-PGPUB;	
- 1241 (257/98).CCLS.		l		EPO; JPO;	
- 1241 (257/98).CCLS.					
- 1351 (257/99).CCLS.					
- 1351 (257/99).CCLS.   CSPRIENT; IBM TDB USFAT; US-PGPUB; EPGO, JPGO DERWENT; IBM TDB USFAT; USS-PGPUB; EPGO, JPGO DERWENT; USS-	_	1241	(257/98).CCLS.		2002/05/30 17:36
- 1351 (257/99).CCLS.					
TEM TOB		ł			
- 318 (257/99).CCLS. USPĀT; USPĀGUB; EPO, JPO; DERWENT; IEM TDB USPĀT; USPĀT; USPĀT; USPĀT; USPĀGUB; EPO, JPO; DERWENT; IEM TDB USPĀT; USPĀT; USPĀT; USPĀT; USPĀGUB; EPO, JPO; DERWENT; IEM TDB USPĀT; USPĀT; USPĀT; USPĀT; USPĀGUB; EPO, JPO; UPO; UPO; UPO; UPO; UPO; UPO; UPO; U					
- 318 (257/100).CCLS.  - 278 (257/101).CCLS.  - 278 (257/101).CCLS.  - 278 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/102).CCLS.  - 308 (257/103).CCLS.  - 308 (257/102).CCLS.  - 308 (257/103).CCLS.  - 308 (257/103).CCLS.  - 308 (257/102).CCLS.  - 308 (257/103).CCLS.	) _	1351	(257/99) CCLS.		2002/05/30 17:36
- 318 (257/100).CCLS.		1551	(2317 337 : 0020 :		
- 318 (257/100).CCLS.   IIM TDB   USPĀT; US-PGPUB; PGP; JPG; DERWENT; IBM TDB   USPĀT; USPĀT				EPO; JPO;	Į ,
- 278 (257/101).CCLS. USPĀT; US-PGUB; EPO; JPO; DERWENT; IEM TDB USPĀT; US-PGUB; DERWENT; IEM TDB USPĀT; US-PGUB; DERWENT; IEM TDB USPĀT; US-PGUB; DERWENT				DERWENT;	
- 278 (257/101).CCLS.  28 (257/102).CCLS.  - 308 (257/102).CCLS.  - 967 (257/103).CCLS.  - 967 (257/103).CCLS.  - 0 ("L13 or L14 or L15 or L16 or L17 or L18					
- 278 (257/101).CCLS.   EPO, JPO, DERRENT; IBM TDB USPAT; US-FGPUB; EPO, JPO, DERRENT; IBM TDB USPAT; US-FGPUB	-	318	(257/100).CCLS.		2002/05/30 17:36
- 278 (257/101).CCLS.   DERMENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US	1				
- 278 (257/101).CCLS.   IBM_TDB   2002/05/30 17:36   US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; EPO; JPO; DERWENT; IBM_TDB   USPAT; US-PGFUB; USS-PGFUB; USS-PG					
- 278 (257/101).CCLS. USPĀT; US-FOFUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FOFUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FOFUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FOFUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FOFUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FOFUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FOFUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FOFUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FOFUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FOFUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FOFUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FOFUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FOFUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FOFUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-FOFUB; EPO; JPO; USS-JPO; USS-					
- 308 (257/102).CCLS.	_	279	(257/101) CCLS		2002/05/30 17:36
- 308 (257/102).CCLS.		2/8	(207,101).0010.		2502,00,00
- 308 (257/102).CCLS.  - 967 (257/103).CCLS.  - 967 (257/103).CCLS.  - 0 ("L13 or L14 or L15 or L16 or L17 or L18 or L19 or L20 or L21 or L22 or L23 or L24 or L25 or L26 or L27 or L28 or L29 or L30 or L31 or L32 or L33 or L34 or L35 or L36 or L37").PN.  - 6890 ((257/91).CCLS.) or ((257/80).CCLS.) or ((257/81).CCLS.) or ((257/81).CCLS.) or ((257/88).CCLS.) or ((257/81).CCLS.) or ((257/88).CCLS.) or ((257/89).CCLS.) or ((257				1	
- 308 (257/102).CCLS.				1	
- 967 (257/103).CCLS.  - 0 ("L13 or L14 or L15 or L16 or L17 or L18 or L19 or L20 or L21 or L22 or L23 or L24 or L37 or L18 or L37 or L38 or L37 or L		1		IBM_TDB	
- 967 (257/103).CCLS.  - 0 ("L13 or L14 or L15 or L16 or L17 or L18 or L19 or L20 or L21 or L22 or L23 or L24 or L25 or L26 or L27 or L28 or L29 or L30 or L31 or L32 or L31 or L32 or L34 or L35 or L37"), PN.  - 6890 ((257/79).CCLS.) or ((257/80).CCLS.) or ((257/81).CCLS.) or ((257/86).CCLS.) or ((257/86).CCLS.) or ((257/81).CCLS.) or ((257/81).CCLS.) or ((257/81).CCLS.) or ((257/86).CCLS.) or ((257/81).CCLS.) or ((257/91).CCLS.) or ((257/81).CCLS.) or ((257/91).CCLS.) or ((257/91).	_	308	(257/102).CCLS.		2002/05/30 17:36
- 967 (257/103).CCLS.  - 0 ("L13 or L14 or L15 or L16 or L17 or L18 or L19 or L20 or L21 or L22 or L23 or L24 or L35 or L36 or L37 or L31 or L32 or L33 or L34 or L35 or L36 or L37").PN.  - 6890 ((257/79).CCLS.) or ((257/80).CCLS.) or ((257/83).CCLS.) or ((257/85).CCLS.) or ((257/86).CCLS.) or ((257/87).CCLS.) or ((257/86).CCLS.) or ((257/87).CCLS.) or ((257/86).CCLS.) or ((257/97).CCLS.) or ((257/98).CCLS.) or ((257/97).CCLS.) or ((257/97).CCLS.) or ((257/98).CCLS.) or ((257/97).CCLS.) or ((257/98).CCLS.) or ((257/97).CCLS.) or ((257/97).CCLS.) or ((257/97).CCLS.) or ((257/97).CCLS.) or ((257/98).CCLS.) or ((257/97).CCLS.) or ((257/97).CCLS.) or ((257/97).CCLS.) or ((257/97).CCLS.) or ((257/98).CCLS.) or ((257/97).CCLS.) or ((257/98).CCLS.) or ((257/97).CCLS.) or ((257/97).CC				1	ļ
- 967 (257/103).CCLS.  - 0 ("L13 or L14 or L15 or L16 or L17 or L18 or L19 Or L20 or L21 or L22 or L23 or L24 or L25 or L26 or L27 or L28 or L29 or L30 or L31 or L32 or L33 or L34 or L35 or L36 or L37").PN.  - 6890 ((257/79).CCLS.) or ((257/80).CCLS.) or ((257/81).CCLS.) or ((257/84).CCLS.) or ((257/83).CCLS.) or ((257/84).CCLS.) or ((257/84).CCLS.) or ((257/85).CCLS.) or ((257/86).CCLS.) or ((257/81).CCLS.) or ((257/84).CCLS.) or ((257/81).CCLS.) or ((257/84).CCLS.) or ((257/81).CCLS.) or ((257/84).CCLS.) or ((257/81).CCLS.) or ((257/81).C					
- 967 (257/103).CCLS. USAT; US					
- 0 ("L13 or L14 or L15 or L16 or L17 or L18 or L19 or L20 or L21 or L22 or L23 or L24 or L35 or L30 or L31 or L32 or L30 or L30 or L31 or L32 or L30 or L35 or L36 or L37").PN.  - 6890 ((257/81).CCLS.) or ((257/80).CCLS.) or ((257/81).CCLS.) or ((257/81).CCLS.) or ((257/83).CCLS.) or ((257/93).CCLS.) or ((257/83).CCLS.) or ((257/93).CCLS.) or (		067	(257/102) CCIS		2002/05/30 17:37
- 0 ("L13 or L14 or L15 or L16 or L17 or L18 USPĀT; IBM_TDB USPĀT;	_	967	(237/103).0013.		2002/03/30 17:37
- 0 ("L13 or L14 or L15 or L16 or L17 or L18 or L19 or L20 or L21 or L22 or L23 or L24 or L25 or L26 or L27 or L28 or L20 or L30 or L31 or L32 or L33 or L34 or L35 or L36 or L37"). PN.  - 6890 ((257/79).CCLS.) or ((257/80).CCLS.) or ((257/81).CCLS.) or ((257/81).CCLS.) or ((257/81).CCLS.) or ((257/83).CCLS.) or ((257/84).CCLS.) or ((257/87).CCLS.) or ((257/87).CCLS.) or ((257/88).CCLS.) or ((257/87).CCLS.) or ((257/88).CCLS.) or ((257/87).CCLS.) or ((257/87).CCLS.) or ((257/87).CCLS.) or ((257/87).CCLS.) or ((257/91).CCLS.)					
-   0 ("L13 or L14 or L15 or L16 or L17 or L18 or L19 or L20 or L		1			
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		((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	
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		gallium adj nitride) near12 phosphorus)	ļ	Į Į
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	1	or boron adj phosphide) and (ganp or (gan		]
		or gallium adj nitride) near12 phosphorus)		1
	1 2		HCDAM.	2002/05/20 17:47
-	13	((((257/79).CCLS.) or ((257/80).CCLS.) or	USPAT;	2002/05/30 17:47
		((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	
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		gallium adj nitride) near12 phosphorus)	HCD2m-	2002/05/20 17 52
1 -	4	((((257/79).CCLS.) or ((257/80).CCLS.) or	USPAT;	2002/05/30 17:53
		((257/81).CCLS.) or ((257/82).CCLS.) or	US-PGPUB;	!
		((257/83).CCLS.) or ((257/84).CCLS.) or	EPO; JPO;	
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1	1	((257/87).CCLS.) or ((257/88).CCLS.) or	IBM_TDB	1
	1	((257/89).CCLS.) or ((257/90).CCLS.) or		
	1	((257/91).CCLS.) or ((257/92).CCLS.) or		
1	1	((257/93).CCLS.) or ((257/94).CCLS.) or	1	
	1	((257/95).CCLS.) or ((257/96).CCLS.) or		
	] ,	((257/97).CCLS.) or ((257/98).CCLS.) or		
		((257/99).CCLS.) or ((257/100).CCLS.) or		
		((257/101).CCLS.) or ((257/102).CCLS.) or	1	
	]			
Į į	Į l	((257/103).CCLS.)) and (gan or gallium adj		(
		nitride) and ((bp or boron adj phosphide)		
1		near12 buffer)	l	
-	0	jp-410242514\$-\$.did.	USPAT;	2002/05/30 17:54
			US-PGPUB;	
			EPO; JPO;	
	] :		DERWENT;	
			IBM TDB	
-	2	jp-10242514\$-\$.did.	USPĀT;	2002/05/30 17:56
	-		US-PGPUB;	=====================================
]			EPO; JPO;	
	]		1	
			DERWENT;	
I i	L		IBM TDB	

[-	2	jp-10242567\$-\$.did.	USPAT;	2002/05/30 17:59
1	ĺ		US-PGPUB;	
			EPO; JPO;	į l
1			DERWENT;	
			IBM TDB	1
_	2	jp-10242569\$-\$.did.	USPAT;	2002/05/30 18:09
	_	JP 2001-1001 (11-10-11)	US-PGPUB;	)
			EPO; JPO;	
			DERWENT;	
			IBM TDB	ĺ
1		6316703	USPAT;	2002/05/30 18:10
_	2	6316793.pn.		2002/03/30 10:10
ļ	ļ		US-PGPUB;	Į į
ļ			EPO; JPO;	
	[		DERWENT;	Į
			IBM_TDB	
-	2	6064082.pn.	USPAT;	2002/05/30 18:11
]	1		US-PGPUB;	]
			EPO; JPO;	
1	1		DERWENT;	1
			IBM TDB	
_	2	5929467.pn.	USPAT;	2002/05/30 18:11
	]	,	US-PGPUB;	
Į.	ļ		EPO; JPO;	(
			DERWENT;	
	l			Į .
1	1 ^	:- 100(C7(0¢ ¢ d:d	IBM_TDB	2002/05/30 20:04
~	2	jp-10066769\$-\$.did.	USPAT;	2002/03/30 20:04
	ì		US-PGPUB;	)
			EPO; JPO;	
	1		DERWENT;	1
			IBM_TDB	
-	) 0	jp-410066769\$-\$.did.	JPO	2002/05/30 20:05
-	1	jp-10066769\$-\$.did.	JPO	2002/05/30 20:06
-	1	jp-11036830\$-\$.did.	JPO	2002/05/30 20:06
-	0	jp-411036830\$-\$.did.	JPO	2002/05/30 20:06
l _	0	terashima.in. and buffer	JPO	2002/05/30 20:13
_	ĺ	light-emitting.ti,ab. and ((bp or boron	JPO	2002/05/30 20:14
	1	adj phosphide) near10 buffer) and gallium		
		adj nitride.ti,ab.		
	1	1	JPO	2002/05/30 20:14
	1	adj phosphide) near10 buffer) and gallium	1000	2002/03/30 20:14
		adj nitride	100	2002/05/30 20:15
-	3		JPO	2002/05/30 20:15
	1	emitting).ti,ab. and ((bp or boron adj		
1		phosphide) near10 buffer) and gallium adj		
1	[	nitride		
-	4	(	USPAT;	2002/05/31 07:13
ļ .	Į.	or AlGaNP or aluminum adj gallium adj	US-PGPUB;	
	1	nitride adj phosphide or	EPO; JPO;	
	l	"GaN.sub.lix.P.subx") and	DERWENT;	
1		light-emitting.ti,ab. and buffer near10	IBM TDB	
		(bp or boron adj phosphide)	_	]
<b> </b> _	4		USPAT;	2002/05/31 07:15
]	]	or AlGaNP or aluminum adj gallium adj	US-PGPUB;	
}	}	nitride adj phosphide or	EPO; JPO;	
			1	
1	}	"GaN.sub.1-x.P.sub.x") and	DERWENT;	
		light-emitting.ti,ab. and (bp or boron adj	IBM_TDB	[
Į		phosphide)		2000/05/01 07 10
-	8	((GaN or gallium adj nitride or AlGaN or	USPAT;	2002/05/31 07:19
	l	aluminum adj gallium adj nitride) near6 (P	US-PGPUB;	Į
	1	or phosphide)) and light-emitting.ti,ab.	EPO; JPO;	
		and (bp or boron adj phosphide)	DERWENT;	
			IBM_TDB	]
-	7	( ( <del>                                 </del>	USPAT;	2002/05/31 07:58
Ì	)	aluminum adj gallium adj nitride) near6 (P	US-PGPUB;	
		or phosphide)) and light-emitting.ti,ab.	EPO; JPO;	
	}	and ((bp or boron adj phosphide) near10	DERWENT;	ţ.
	1	buffer)	IBM TDB	
L				<del></del>

			<del></del>	
-	4	((GaN or gallium adj nitride or AlGaN or	USPAT;	2002/05/31 08:01
		aluminum adj gallium adj nitride) near6 (Por phosphide)) and light-emitting.ti,ab.	US-PGPUB; EPO; JPO;	
		and ((bp or boron adj phosphide) near10	DERWENT;	
	1	buffer) and ((mono-crystal or single adj	IBM TDB	
		crystal) near6 substrate)	_	
-	8	light-emitting.ti,ab. and ((bp or boron	USPAT;	2002/05/31 08:01
		adj phosphide) near10 buffer) and	US-PGPUB;	
	1	((mono-crystal or single adj crystal)	EPO; JPO;	
		near6 substrate)	DERWENT; IBM TDB	
_	325	light-emitting.ti,ab. and ((mono-crystal	USPAT;	2002/05/31 08:15
1		or single adj crystal) near6 substrate)	US-PGPUB;	
			EPO; JPO;	
1	1		DERWENT;	
_	184	light-emitting.ti,ab. and ((mono-crystal	IBM_TDB USPAT;	2002/05/31 08:16
	104	or single adj crystal) adj substrate)	US-PGPUB;	2002/03/31 00:10
		er eringer day ergeear, aaj erseerade,	EPO; JPO;	
			DERWENT;	
	1	<u>.</u>	IBM_TDB	
-	14	light-emitting.ti,ab. and ((mono-crystal	USPAT; US-PGPUB;	2002/05/31 08:17
		or single adj crystal) adj substrate) and GaN.ti,ab.	EPO; JPO;	
			DERWENT;	
İ			IBM_TDB	
] -	351	buffer adj layer near3 amorphous	USPĀT;	2002/05/31 08:43
	ļ		US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	4	(bp or boron adj phosphorus) near6 buffer	USPĀT;	2002/05/31 08:44
1	]	adj layer near3 amorphous	US-PGPUB;	
			EPO; JPO;	
Ì	1		DERWENT; IBM TDB	
_	38	amorphous adj buffer adj layer	USPAT;	2002/05/31 10:42
		amorphous day surror day rayor	US-PGPUB;	2002,00,02 20132
			EPO; JPO;	
	ĺ		DERWENT;	
_	3	amorphous adj buffer adj layer and (single	IBM_TDB USPAT;	2002/05/31 11:23
		adj crystal or single-crystal) adj buffer	US-PGPUB;	2002/03/31 11.23
	ļ	adj layer	EPO; JPO;	
			DERWENT;	
	ا ا		IBM_TDB	2002/05/21 11 05
-	64	single adj (heterojunction or hetero-junction) and (double adj	USPAT; US-PGPUB;	2002/05/31 11:26
		heterojunction or hetero-junction) and	EPO; JPO;	
		257/\$6.ccls.	DERWENT;	
			IBM_TDB	
-	58	(single adj (heterojunction or	USPAT;	2002/05/31 12:36
		hetero-junction)) and (double adj (heterojunction or hetero-junction)) and	US-PGPUB; EPO; JPO;	
		257/\$6.ccls.	DERWENT;	
			IBM_TDB	
-	2	("6150672").PN.	USPĀT;	2002/05/31 11:47
1			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	4	(single adj (heterojunction or	USPAT;	2002/05/31 13:07
		hetero-junction)).ti,ab. and (double adj	US-PGPUB;	
		(heterojunction or hetero-junction)) and	EPO; JPO;	
		257/\$6.ccls.	DERWENT; IBM TDB	
-	2	("6150672").PN.	USPAT;	2002/05/31 13:41
	_	•	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	

-	1	(lattice near6 (match\$3 or mismatch\$3))	USPAT;	2002/05/31 15:47
		near12 (boron adj phosphide or BP or BPN	US-PGPUB;	1
		or "BP.sub.1-x.N.sub.x") near12 (GaN or	EPO; JPO;	1
		gallium adj nitride)	DERWENT;	
			IBM TDB	
_	1	(lattice near6 (match\$3 or mismatch\$3))	USPAT;	2002/05/31 13:44
[ _	1	near12 (boron adj phosphide or BP or BPN		2002/03/31 13.44
			US-PGPUB;	1
		or "BP.sub.1-x.N.sub.x") near12 (GaN or	EPO; JPO;	
		gallium adj nitride or AlGaN or aluminum	DERWENT;	
1		adj gallium adj nitride)	IBM_TDB	
_	29	((boron adj phosphide or bp) near12	USPĀT;	2002/05/31 14:11
		buffer) near12 (N or nitrogen)	US-PGPUB;	
			EPO; JPO;	
	Į.		DERWENT;	į
			IBM TDB	
1_	1	(lattice rear (match 62 or mismatch 62))	_	2002/05/21 15:50
-	1 -	(lattice near6 (match\$3 or mismatch\$3))	USPAT;	2002/05/31 15:59
		near12 (boron adj phosphide or BP or BPN	US-PGPUB;	
	ì	or "BP.sub.1-x.N.sub.x") near12 (GaN or	EPO; JPO;	
		gallium adj nitride or gallium adj nitride	DERWENT;	
		adj phosphide or GaNP)	IBM TDB	
l –	1	(lattice near6 (match\$3 or mismatch\$3) or	USPAT;	2002/05/31 16:16
ľ		lattice-match\$3 or lattice-mismatch\$3)	US-PGPUB;	= 102, 02, 01 10.10
		near12 (boron adj phosphide or BP or BPN		
		1	EPO; JPO;	
		or "BP.sub.1-x.N.sub.x") near12 (GaN or	DERWENT;	
	1	gallium adj nitride or gallium adj nitride	IBM_TDB	
		adj phosphide or GaNP)		
_	1	(lattice near6 (match\$3 or mismatch\$3) or	USPAT;	2002/05/31 16:33
		lattice-match\$3 or lattice-mismatch\$3)	US-PGPUB;	[
1		near12 (boron adj phosphide or BP or BPN	EPO; JPO;	
		or "BP.sub.1-x.N.sub.x" or BNP or	DERWENT;	
			1	
1		"BN.sub.1-x.P.sub.x") near12 (GaN or	IBM_TDB	
		gallium adj nitride or gallium adj nitride		
		adj phosphide or GaNP)		
-	66		USPAT;	2002/05/31 17:58
		"BP.sub.1-x.N.sub.x" or BNP or	US-PGPUB;	
)		"BN.sub.1-x.P.sub.x") near12 (GaN or	EPO; JPO;	]
	1	gallium adj nitride or gallium adj nitride	DERWENT;	
		adj phosphide or GaNP)	IBM TDB	
_	0	"10-066769"	JPO JPO	2002/05/31 17:59
1	1			1
_	1	jp-10066769\$-\$.did.	JPO	2002/05/31 18:00
-	1	jp-10180921\$-\$.did.	JPO	2002/05/31 18:01
[ -	0	jp-410180921\$-\$.did.	JPO	2002/05/31 18:01
-	) 0	terashima.in. and semiconductor	JPO	2002/05/31 18:12
-	2	terashima.in. and "1998"	JPO	2002/05/31 18:14
	1	jp-10066769\$-\$.did.	JPO	2002/05/31 18:15
_	1	jp-10180921\$-\$.did.	JPO	2002/05/31 18:16
	1	jp-101003210 0.did.	JPO	2002/05/31 18:17
1_	_		Í .	
] -	1	jp-10232279\$-\$.did.	JPO	2002/05/31 18:17
[ -	1	jp-11036830\$-\$.did.	JPO	2002/05/31 18:18
-	2301	udagawa.in.	JPO	2002/05/31 18:18
-	35		JPO	2002/05/31 18:18
	3	udagawa.in. and light-emitting and (BP or	JPO	2002/05/31 18:22
		boron adj phosphide)		
	0	terashima.in. and light-emitting and (BP	JPO	2002/05/31 18:23
	ĺ	or boron adj phosphide)		
1_	0	nishimura.in. and light-emitting and (BP	TDO	2002/05/21 10:22
-			JPO	2002/05/31 18:23
]	]	or boron adj phosphide)		
-	0	tsuzaki.in. and light-emitting and (BP or	JPO	2002/05/31 18:23
		boron adj phosphide)		
-	11550	boron adj phosphide or bp	DERWENT	2002/05/31 18:25
-	245	(boron adj phosphide or bp) and buffer	DERWENT	2002/05/31 18:25
_	15	(boron adj phosphide or bp) and buffer adj	DERWENT	2002/05/31 18:25
	1	layer	SHIMPINI	2002/03/31 10.23
_	60		ticham :	2002/06/01 12 52
1 - 1	62	udagawa.in. and light-emitting	USPAT;	2002/06/01 10:52
			US-PGPUB;	
]			EPO; JPO;	
]			DERWENT;	
			IBM TDB	
				L

neaf6 BP or BNP or BNP or   Nor   New North-Law, Naub.1-x, Naub.					
"BP, sub. x.N. sub.1-x" or "BP, sub.x.N. sub.1-x" or "BP, sub.1-x" or "BP, sub.1-x" or "BP, sub.1-x or "BP, sub.1-x or "BP, sub.1-x or "BP, sub.1-x or "BP, sub.1-x or "BP, sub.1-x or "BP, sub.1-x" or "BP, sub.1-x or "BP, s	-	1076	near6 BP or BNP or BPN or	US-PGPUB;	2002/06/01 10:56
Dispaphide   near3 nitrogen			"BP.sub.x.N.sub.1-x" or "BN.sub.x.P.sub.1-x" or	DERWENT;	
#BN.sub.l-x.P.sub.x" or     "BP.sub.x.N.sub.l-x" or     "BP.sub.x.N.sub.l-x" or     "BP.sub.x.N.sub.x" or ((BP or boron adj)     phosphido (near) nitrogen))  - 2 temashima.in. and light-matting and     "BP.sub.l-x.N.sub.x" or     "BP.sub.x.N.sub.l-x" or     "BP.sub.x.N.sub.l-x" or     "BP.sub.x.N.sub.l-x" or     "BP.sub.x.N.sub.l-x" or     "BP.sub.x.N.sub.l-x" or     "BP.sub.x.N.sub.x" or     "BP.sub.x.N.sub.x" or     "BP.sub.x.N.sub.x" or     "BP.sub.l-x.N.sub.x"   - 0 (lattice adj match33 or mismatch33) and     (((BN or boron adj nitride) near3 buffer)     near10 (phosporus or P)) and (GaN or     gallium adj nitride)  - 0 (lattice adj match33 or mismatch33) and     (((BN or boron adj nitride) near6 buffer)     near10 (phosporus or P)  - 0 (lattice adj (match33 or mismatch33)) and     (((BN or boron adj nitride) near6 buffer)     near6 buffer) near10 (phosporus or P)  - 0 (lattice adj (match33 or mismatch33)) and     (((BN or boron adj nitride) near6 buffer)     near6 buffer) near10 (phosporus or P)  - 0 (lattice near6 (match33 or mismatch33))     and (((BN or BNP or BPN or boron adj nitride) near6 buffer)     near6 buffer) near10 (phosporus or P)  - 0 (loren near6 huffer) near10 (phosporus or P)  - 0 (loren near6 huffer) near10 (phosporus or P)  - 0 (loren near6 huffer) near10 (phosporus or P)  - 0 (loren near6 huffer) near10 (phosporus or P)  - 0 (loren near6 huffer) near10 (phosporus or P)  - 0 (loren near6 huffer) near10 (phosporus or P)  - 0 (loren near6 huffer) near10 (phosporus or P)  - 0 (loren near6 huffer) near10 (phosporus or P)  - 0 (loren near6 huffer) near1	_	8	phosphide) near3 nitrogen) udagawa.in. and light-emitting and (buffer	•	2002/06/01 11:22
phosphide) near3 nitrogen))   2   2   2   2   2   2   2   2   2			"BN.sub.1-x.P.sub.x" or "BP.sub.x.N.sub.1-x" or "BN.sub.x.P.sub.1-x" or	EPO; JPO; DERWENT;	
"BN.sub.x.P.sub.l-x" or ('BP or boron adj phosphide) near3 nitrogen')) 1 ight-emitting.ti,ab. and (buffer near6 (BP or BN or BNP or BNN or "BNN or "BNN or BNP or BNN or "BNN.sub.l-x.P.sub.x" or "BP.sub.x.N.sub.l-x" or "BP.sub.x.N.sub.l-x" or "BP.sub.x.N.sub.l-x" or "BP.sub.x.N.sub.l-x" or "BP.sub.in-x.N.sub.x")  - 0 (lattice adj match\$3 or mismatch\$3) and ('('BN or boron adj nitride) near3 buffer) near10 (phosporus or P') and ('BN or boron adj nitride) near6 buffer) near10 (phosporus or P')  - 0 (lattice adj (match\$3 or mismatch\$3)) and ('('BN or boron adj nitride) near6 buffer) near10 (phosporus or P')  - 0 (lattice adj (match\$3 or mismatch\$3)) and ('('BN or boron adj nitride) near6 buffer) near10 (phosporus or P')  - 0 (lattice adj (match\$3 or mismatch\$3)) and ('('BN or BNP or BPN or boron adj nitride) near6 buffer) near10 ('('BN or BNP or BPN or boron adj nitride) near6 buffer) near10 ('('BN or BNP or BPN or boron adj nitride) near6 buffer)  - 0 (lattice near6 (match\$3 or mismatch\$3)) and ('('BN or BNP or BPN or boron adj nitride) near6 buffer) near10 (phosporus or P')  - 0 (lattice near6 (match\$3 or mismatch\$3)) and ('('('BN or BNP or BPN or boron adj nitride) near6 buffer) near10 (phosporus or P')  - 0 (boron adj nitride or BN or boron adj nitride) near6 buffer near10 (phosporus or P')  - 0 (boron adj nitride or BN or boron adj phosphide or BP or BNP) near6 buffer near10 ('BNB or BNP) near6 buffer near10 ('BNB or BNP) near6 buffer near10 ('BNB or BNP) near6 buffer near10 ('BNB or BNP) near6 buffer near10 ('BNB or BNP) near6 buffer near10 ('BNB or BNP) near6 buffer near10 ('BNB or BNB or BNB) near6 buffer near10 ('BNB or BNB or BNB) near6 buffer near10 ('BNB or BNB or BNB) near6 buffer near10 ('BNB or BNB or BNB) near6 buffer near10 ('BNB or BNB or BNB) near6 buffer near10 ('BNB or BNB or BNB) near6 buffer near10 ('BNB or BNB or BNB) near6 buffer near10 ('BNB or BNB or BNB) near6 buffer near10 ('BNB or BNB or BNB) near6 buffer near10 ('BNB or BNB or BNB) near6 buffer near10 ('BNB or BNB or BNB or BNB or BNB	-	2	phosphide) near3 nitrogen))) terashima.in. and light-emitting and (buffer near6 (BP or BNP or BPN or "BN.sub.1-x.P.sub.x" or	US-PGPUB; EPO; JPO;	2002/06/01 13:29
1   1   1   1   1   1   1   1   1   1			"BN.sub.x.P.sub.1-x" or "BP.sub.1-x.N.sub.x" or ((BP or boron adj	1	
"BN. sub.x.P. sub.x.P. sub.x") "BP. sub.l-x.N. sub.x") (lattice adj match\$3 or mismatch\$3) and (((BN or boron adj nitride) near10 (phosporus or P)) and (GaN or gallium adj nitride)  - 0 (lattice adj match\$3 or mismatch\$3) and (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  - 0 (lattice adj (match\$3 or mismatch\$3)) and (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  - 0 (lattice adj (match\$3 or mismatch\$3)) and (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  - 0 (lattice adj (match\$3 or mismatch\$3)) and (((BN or BNP or BPN or boron adj nitride) near6 buffer) near6 buffer) near6 buffer) near6 buffer) near6 buffer) near10 (phosporus or P))  - 0 (lattice near6 (match\$3 or mismatch\$3)) and (((BN or BNP or BPN or boron adj nitride) near6 buffer) near10 (phosporus or P))  - 0 (lattice near6 (match\$3 or mismatch\$3)) and (((BN or BNP or BPN or boron adj nitride) near6 buffer) near10 (phosporus or P))  - 0 (locon adj nitride or BN or boron adj phosphide or BP or BNP) near6 buffer and (GaN or gallium nitride) (SPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT;	_	9	light-emitting.ti,ab. and (buffer near6 (BP or BN or BNP or BPN or "BN.sub.1-x.P.sub.x" or	US-PGPUB; EPO; JPO;	2002/06/01 13:35
(((BN or boron adj nitride) near3 buffer) near10 (phosporus or P)) and (GAN or gallium adj nitride)  (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  (((BN or BNP or BPN or boron adj nitride) near6 buffer) near10 (phosporus or P))  (((BN or BNP or BPN or boron adj nitride) near6 buffer) near6 buffer) near10 (phosporus or P)  (((BN or BNP or BPN or boron adj nitride) near6 buffer) nitride) near6 buffer) near10 (phosporus or P))  (((BN or BNP or BNP or boron adj nitride) near6 buffer)  (((BN or BNP or BNP or BNP) near6 buffer)  (((BN or BNP or BNP or BNP) near6 buffer)  (((BN or			"BN.sub.x.P.sub.1-x" or "BP.sub.1-x.N.sub.x"))		
0 (lattice adj match\$3 or mismatch\$3) and (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  0 (lattice adj (match\$3 or mismatch\$3)) and (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  1 (lattice adj (match\$3 or mismatch\$3)) and (((BN or boron adj nitride) near6 buffer) near10 (phosporus or P))  2 (lattice adj (match\$3 or mismatch\$3)) and (((BN or BNP or BPN or boron adj nitride) near6 buffer) near6 buffer) near6 buffer) near6 buffer) near6 buffer) near6 buffer) near6 puffer) near10 (phosporus or P))  1 (lattice near6 (match\$3 or mismatch\$3)) and (((BN or BNP or BPN or boron adj nitride) noar6 buffer) near10 (phosporus or P))  2 (boron adj nitride or BN or boron adj phosphide or BP or BNP) near6 buffer  2 (boron adj nitride or BN or boron adj phosphide or BP or BNP) near6 buffer and (GaN or gallium nitride)  3 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  4 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  5 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  5 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  6 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  6 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  7 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  8 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  9 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  1 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  1 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  1 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  2 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  3 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  4 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  5 (boron adj nitrid	-	0	(((BN or boron adj nitride) near3 buffer) near10 (phosporus or P)) and (GaN or	US-PGPUB; EPO; JPO; DERWENT;	2002/06/01 13:39
O (lattice adj (match\$3 or mismatch\$3)) and (((BN or boron adj nitride) near6 buffer)   US-PGPUB;   EPO; JPO;   DERWENT; IBM TDB   US-PGPUB;   EPO; JPO;   DERWENT; IBM TDB   US-PGPUB;   EPO; JPO;   DERWENT; IBM TDB   US-PGPUB;   EPO; JPO;   DERWENT; IBM TDB   US-PGPUB;   EPO; JPO;   DERWENT; IBM TDB   US-PGPUB;   EPO; JPO;   DERWENT; IBM TDB   US-PGPUB;   EPO; JPO;   DERWENT; IBM TDB   US-PGPUB;   EPO; JPO;   DERWENT;   EPO; JPO;   DERWENT;   EPO; JPO;   DERWENT;   EPO; JPO;   DERWENT;   EPO; JPO;   DERWENT;   EPO; JPO;   DERWENT;   EPO; JPO;   DERWENT;   EPO; JPO;   DERWENT;   EPO; JPO;   DERWENT;   EPO; JPO;   DERWENT;   EPO; JPO;   DERWEN	-	0	(((BN or boron adj nitride) near6 buffer)	USPĀT; US-PGPUB; EPO; JPO; DERWENT;	2002/06/01 13:39
Comparison of the comparison	-	0	(((BN or boron adj nitride) near6 buffer)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/06/01 13:40
O (lattice near6 (match\$3 or mismatch\$3)) and (((BN or BNP or BPN or boron adj nitride) near6 buffer) near10 (phosporus or P))   DERWENT;   LBM_TDB   US-PGPUB;   EPO; JPO; DERWENT;   LBM_TDB   US-PGPUB;   LBM_TDB   US-PG	_	0	(((BN or BNP or BPN or boron adj nitride)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/06/01 13:41
- 672 (boron adj nitride or BN or boron adj phosphide or BP or BNP) near6 buffer  99 (boron adj nitride or BN or boron adj phosphide or BP or BNP) near6 buffer and (GaN or gallium nitride)  54 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  54 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  55 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  66 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  67 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride) and (Can or	_	0	and (((BN or BNP or BPN or boron adj nitride) ncar6 buffer) near10 (phosporus	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/06/01 13:42
99 (boron adj nitride or BN or boron adj phosphide or BP or BNP) near6 buffer and (GaN or gallium nitride)  54 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  54 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  55 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  56 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride) and (GaN or gallium nitride) and (Can or gallium nitride)	-	672	(boron adj nitride or BN or boron adj phosphide or BP or BNP) near6 buffer	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/06/01 13:43
(boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride)  (boron adj nitride or BN or BNP) near6 (boron adj nitride or BN or BNP) near6 buffer and (GaN or gallium nitride) and (lattice-mismatch or lattice-match\$3 or (lattice near3 (match\$3 or mismatch\$3)))  USPĀT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	_	99	phosphide or BP or BNP) near6 buffer and	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/06/01 14:48
- 16 (boron adj nitride or BN or BNP) near6 USPĀT; 2002/06/01 14:52 buffer and (GaN or gallium nitride) and (lattice-mismatch or lattice-match\$3 or (lattice near3 (match\$3 or mismatch\$3))) DERWENT;	-	54	· · · · · · · · · · · · · · · · · · ·	USPĀT; US-PGPUB; EPO; JPO; DERWENT;	2002/06/01 14:50
T TRM LDR	-	16	buffer and (GaN or gallium nitride) and (lattice-mismatch or lattice-match\$3 or	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/06/01 14:52
		Ll		ממו ויוניד	1

				15.55
-	15	(boron adj nitride or BN or BNP) near6	USPAT;	2002/06/01 15:39
		buffer and (GaN or gallium nitride) near12	US-PGPUB;	
	l	(lattice-mismatch or lattice-match\$3 or	EPO; JPO; DERWENT;	
		(lattice near3 (match\$3 or mismatch\$3)))	IBM TDB	
_	0	gallium adj nitride adj phosphide and	USPAT:	2002/06/01 15:40
_		light-emitting.ti,ab. and phosporus	US-PGPUB;	2002/00/01 13:10
		light emitting. ci/ab. and phospoias	EPO; JPO;	
			DERWENT;	
	Ì		IBM TDB	
_	7	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	USPĀT;	2002/06/01 15:42
		adj nitride adj phosphide) and	US-PGPUB;	ļ
		light-emitting.ti,ab. and (phosporus or P)	EPO; JPO;	
			DERWENT;	
	\		IBM_TDB	0000 (05 (0) 15 43
-	0	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	USPAT;	2002/06/01 15:43
		adj nitride adj phosphide) and	US-PGPUB;	
	1	light-emitting.ti,ab. and phosporus	EPO; JPO; DERWENT;	
			IBM TDB	
	2	(GaNP or "GaN.sub.1-x.P.sub.x" or gallium	USPAT;	2002/06/01 17:21
	2	adj nitride adj phosphide) and	US-PGPUB;	2002,00,01 17.21
		light-emitting.ti,ab. and phosphorus	EPO; JPO;	
	}		DERWENT;	
			IBM TDB	
-	2	lamp.ti,ab. and light-emitting.ti,ab. and	USPĀT;	2002/06/01 17:23
	1	semiconductor.ti,ab. and group adj "III-V"	US-PGPUB;	
			EPO; JPO;	
	Į		DERWENT;	
			IBM_TDB	0000/05/05 55 5:
] -	6		USPAT;	2002/06/01 17:31
1		semiconductor.ti,ab. and GaN	US-PGPUB;	
			EPO; JPO;	
	İ		DERWENT;	
1_	8	lamp.ti,ab. and light-emitting.ti,ab. and	IBM_TDB USPAT;	2002/06/01 17:31
_	·	Gan	US-PGPUB;	2002/00/01 17.31
Į		Gan	EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	3	lamp.ti,ab. and light-emitting.ti,ab. and	USPĀT;	2002/06/01 18:57
		GaN and mount\$3	US-PGPUB;	
1			EPO; JPO;	
ì	1		DERWENT;	
1		4,450,400,404)	IBM_TDB	0000/06/01 10 01
[ -	4	(	USPAT	2002/06/01 19:01
	7400	or ("5326424")).PN.	HCDAT.	2002/06/01 19:23
~	7496	((257/79) or (257/85) or (257/86) or	USPAT; US-PGPUB;	2002/00/01 19:23
{	1	(257/94) or (257/102) or (257/103) or (372/43)).CCLS.	EPO; JPO;	
1		(0.2/35//.0020.	DERWENT;	
1			IBM TDB	
-	3	(((257/79) or (257/85) or (257/86) or	USPĀT;	2002/06/01 19:28
		(257/94) or (257/102) or (257/103) or	US-PGPUB;	
Į.	l	(372/43)).CCLS.) and (gallium adj nitride	EPO; JPO;	
1		or gallium adj phosphide or GaN or GaP or	DERWENT;	
		"GaN.sub.1-x.P.sub.x" or	IBM_TDB	
1		"GaN.sub.x.P.sub.l-x") and buffer near4		
		(BN or BP or BNP or BPN or		
1		"BN.sub.x.P.1-x" or "BN.sub.1-x.P.sub.x"		
]	1	or boron adj nitride or boron adj	1	
1		phosphide) and (lattice nearl2 (match\$3 or mismatch\$3) or lattice-match\$3 or		
	<b>(</b>	lattice-mismatch\$3)	ļ	
1 -	2	("5042043").PN.	USPAT;	2002/11/10 14:02
		,, ,	US-PGPUB;	
ļ	1		EPO; JPO;	
	]		DERWENT;	
	<u> </u>		IBM TDB	<u></u>

_	21	(US-6392257-\$ or US-5326424-\$ or US-6069021-\$ or US-6316793-\$ or US-6150672-\$ or US-5612551-\$ or	USPAT; US-PGPUB; JPO;	2002/11/10 14:08
		US-5929467-\$ or US-5042043-\$ or US-6194744-\$ or US-6064082-\$).did. or (US-20020038892-\$ or US-20020030246-\$ or US-2002000563-\$).did. or (JP-11045892-\$	DERWENT	
		or JP-10242567-\$ or JP-10242514-\$ or JP-10242569-\$).did. or (JP-2000332294-\$ or JP-200004046-\$ or JP-2000188260-\$ or EP-395392-\$).did.		
	13	((US-6392257-\$ or US-5326424-\$ or US-6069021-\$ or US-6316793-\$ or US-6150672-\$ or US-5612551-\$ or US-5929467-\$ or US-5042043-\$ or US-6194744-\$ or US-6064082-\$).did. or (US-20020038892-\$ or US-20020030246-\$ or US-20020000563-\$).did. or (JP-11045892-\$ or JP-10242567-\$ or JP-10242514-\$ or JP-10242569-\$).did. or (JP-2000332294-\$ or JP-10242569-\$).did. or (JP-2000332294-\$ or	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/10 14:09
		JP-2000004046-\$ or JP-2000188260-\$ or EP-395392-\$).did.) and (amorphous or crytalline or crystal) near12 (boron adj phosphide or bp or buffer or current-blocking or current adj blocking)		
	13	((US-6392257-\$ or US-5326424-\$ or US-6069021-\$ or US-6316793-\$ or US-6150672-\$ or US-5612551-\$ or US-5929467-\$ or US-5042043-\$ or US-6194744-\$ or US-6064082-\$).did. or (US-20020038892-\$ or US-20020030246-\$ or US-2002000563-\$).did. or (JP-11045892-\$ or JP-10242567-\$ or JP-10242514-\$ or JP-10242569-\$).did. or (JP-2000332294-\$ or JP-2000004046-\$ or JP-2000188260-\$ or JP-2000004046-\$ or JP-2000188260-\$ or JP-20000188260-\$ or J	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/11/10 15:47
_	212	EP-395392-\$).did.) and (amorphous or crystalline or crystal) near12 (boron adj phosphide or bp or buffer or current-blocking or current adj blocking) oh.in. and won.in.	USPAT; US-PGPUB;	2002/11/10 15:48
-	18	oh.in. and won.in. and buffer	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2002/11/10 15:48
-	4	oh.in. and won.in. and buffer and nitride	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2002/11/10 16:37
	2	("6069021") PN	EPO; JPO; DERWENT; IBM_TDB USPAT;	2002/11/10 16:37
	2	("6069021").PN.	US-PGPUB; EPO; JPO; DERWENT;	2502/11/10 10:5/
-	2	("5042043").PN.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/04/15 17:45
-	344	mixed adj crystal near12 (single-crystal or single adj crystal or monocrystal)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/04/15 17:46
			IBM TDB	

single adj crystal or monocrystal)  US-PGPUB; EPO; JPO; DERWENT; IBM TDB  wixed adj crystal near3 (single-crystal or single adj crystal or monocrystal)  mixed adj crystal near3 (single-crystal or single adj crystal or single adj crystal or monocrystal)  mixed adj crystal near3 (single-crystal or single adj crystal or monocrystal).ti,ab,clm.  monocrystal).ti,ab,clm.  US-PGPUB; EPO; JPO; DERWENT; IBM_TDB  USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB  USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	003/04/15 17:47
EPO; JPO; DERWENT; IBM TDB USPĀT; 20 winder adj crystal near3 (single-crystal or single adj crystal or monocrystal)  87 mixed adj crystal near3 (single-crystal or single adj crystal or single adj crystal or monocrystal).ti,ab,clm.  88 mixed adj crystal near3 (single-crystal or single adj crystal or monocrystal).ti,ab,clm.  89 per monocrystal).ti,ab,clm.  10 "GaN.sub.0.97Psub.0.03"  EPO; JPO; DERWENT; IBM TDB USPĀT; 20 US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; IBM TDB USPĀT; 20 US	003/04/15 17:47
DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; IBM TDB USPĀT; IBM TDB USPĀT; IBM TDB USPĀT; IBM TDB USPĀT; IBM TDB USPĀT; IBM TDB USPĀT;	003/04/15 17:47
- 145 mixed adj crystal near3 (single-crystal or single adj crystal or monocrystal)  87 mixed adj crystal near3 (single-crystal or single adj crystal or single adj crystal or monocrystal or single adj crystal or monocrystal).ti,ab,clm.  98 mixed adj crystal near3 (single-crystal or single adj crystal or monocrystal).ti,ab,clm.  90 "Gan.sub.0.97Psub.0.03"  18M TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; IBM TDB US	003/04/15 17:47
- 145 mixed adj crystal near3 (single-crystal or single adj crystal or monocrystal)  87 mixed adj crystal near3 (single-crystal or DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT;  90 "GaN.sub.0.97Psub.0.03"  90 "Ga N.sub.0.97 P.sub.0.03"  20 USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; DERWENT; IBM TDB USPĀT; 20 USPĀT	003/04/15 17:47
single adj crystal or monocrystal)  87 mixed adj crystal near3 (single-crystal or single adj crystal or monocrystal) uspāt; single adj crystal or wonocrystal or single adj crystal or monocrystal).ti,ab,clm.  90 "GaN.sub.0.97Psub.0.03"  10 "GaN.sub.0.97 P.sub.0.03"  10 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB	003/04/15 17:47
EPO; JPO; DERWENT; IBM_TDB USPĀT; 20 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; IBM_TDB USPĀT; 20	03/04/16 09:55
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; IBM_TDB USPAT; IBM_TDB USPAT; IBM_TDB USPAT; IBM_TDB USPAT; IBM_TDB USPAT; IBM_TDB USPAT; IBM_TDB USPAT; IBM_TDB	03/04/16 09:55
- 87 mixed adj crystal near3 (single-crystal or single adj crystal or monocrystal).ti,ab,clm.  - 0 "GaN.sub.0.97Psub.0.03"    0 "Ga N.sub.0.97 P.sub.0.03"    1BM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; 20	03/04/16 09:55
- 87 mixed adj crystal near3 (single-crystal or single adj crystal or monocrystal).ti,ab,clm.  - 0 "GaN.sub.0.97Psub.0.03"  0 "Ga N.sub.0.97 P.sub.0.03"  USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; 20 US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; 20	03/04/16 09:55
single adj crystal or monocrystal).ti,ab,clm.  US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; 20 US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; 1BM TDB USPĀT; 20 US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; 20 USPĀT; 20	03/04/16 09:55
monocrystal).ti,ab,clm.  EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; 20 USPĀT; 20	
DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT; USPAT;	
IBM_TDB   USPAT;   20   USPAT;	
- 0 "GaN.sub.0.97Psub.0.03" USPĀT; 20 US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; 20 USPĀT; 20	
US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; 20	
EPO; JPO; DERWENT; IBM_TDB USPAT; 20	
DERWENT; IBM_TDB USPAT; 20	00/04/45 00 55
- 0 "Ga N.sub.0.97 P.sub.0.03" IBM TDB USPAT; 20	00/04/14 0 00 50
- 0 "Ga N.sub.0.97 P.sub.0.03" USPĀT; 20	00/01/10 00 55
	03/04/16 09:56
	00,01,20 05,00
EPO; JPO;	
DERWENT;	
IBM TDB	
	03/04/16 09:58
US-PGPUB;	
EPO; JPO;	
DERWENT;	
IBM_TDB	
	03/04/16 09:58
US-PGPUB;	
EPO; JPO;	
DERWENT;	
IBM TDB USPAT; 20	002/04/16 00.50
- 0 "GaN.sub." USPAT; 20 US-PGPUB;	03/04/16 09:59
EPO; JPO;	
DERWENT;	
IBM TDB	
·	03/04/16 10:00
US-PGPUB;	00,01,10 10.00
EPO; JPO;	
DERWENT;	
IBM TDB	
- 12 "GaN.sub"\$6 and (BP or boron adj USPAT; 20	03/04/16 10:01
phosphide) US-PGPUB;	
EPO; JPO;	
DERWENT;	
IBM_TDB	
	03/04/16 10:01
phosphide) US-PGPUB;	
EPO; JPO;	
DERWENT;	
IBM_TDB	02/04/16 10:04
- 4 "GaN.sub"\$6 near20 (BP or boron adj USPĀT; 200 phosphide) US-PGPUB;	03/04/16 10:04
	ı
EPO; JPO; DERWENT;	
IBM TDB	
	03/04/16 10:05
adj phosphide)  US-PGPUB;	00,04,10 10.00
EPO; JPO;	
DERWENT;	
IBM TDB	
	03/04/16 10:06
US-PGPUB;	
EPO; JPO;	1
DERWENT;	
IBM TDB	

- 103 mixed adj crystal.ti. and (single-crystal USPAT or single adj crystal or US-PG	; 2003/04/16 11:27
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	· •
single-crystalline or single adj EPO;	
crystalline or monocrystal or DERWEI	· •
monocrystalline) IBM TI - 2 lattice adj match\$3 near20 (boron adj USPAT	• • • • • • • • • • • • • • • • • • •
	•
phosphide or BP) near20 (gallium adj US-PG nitride or GaN) EPO;	· •
DERWEI	The state of the s
IBM T	
- 2 (lattice-match\$3 lattice adj match\$3) USPAT	
near20 (boron adj phosphide or BP) near20 US-PG	•
(gallium adj nitride or GaN) EPO;	- '
DERWEI	
IBM TI	DB
- 86 (gan or gallium adj nitride) near20 (boron   USPĀT.	; 2003/04/16 11:37
adj phosphide or bp) US-PGI	
EPO;	
DERWEY	
IBM_TI	
- 13 (gan or gallium adj nitride) near20 (boron USPAT	· · · · · · · · · · · · · · · · · · ·
adj phosphide or bp) near20 buffer US-PG	
EPO; C	
DERWEI	
IBM_TI  - 173 (gan or gallium adj nitride) near20 USPAT	
lattice adj constant US-PGI	,  ,
EPO;	
DERWEI	
IBM TI	
- 11 (gan or gallium adj nitride) near20 buffer USPAT	
adj layer near20 (boron adj phosphide or US-PG	· I
bp)	
DERWEI	NT;
- 5 (single-crystal or single adj crystal or USPĀT.	· I
monocrystalline) near20 (gan or gallium US-PG	· •
adj nitride) near20 buffer adj layer EPO;	
near20 (boron adj phosphide or bp)  DERWEI	
IBM_TI  - 556 (vapor adj phase adj growth or CVD) near3 USPĀT,	
(single-crystal or single adj crystal or US-PG)	
monocrystal) EPO;	
DERWEI	
IBM TI	· · ·
- 192 (vapor adj phase adj growth or CVD) near3 USPAT;	
(single-crystal or single adj crystal or US-PG	
monocrystal).ti,ab. EPO;	
DERWEY	·
IBM_TI	
- 1 increase near12 lattice adj parameter USPAT	
near12 (phosphorous or phosphorus) US-PGI	,
EPO;	1
DERWEI	I
US-PGI	1
EPO;	· 1
DERWEN	I
IBM TI	· I
- 2 ("6069021").PN. USPAT;	
US-PGI	
EPO; C	·
DERWEN	· I
IBM_TI	
- 2 ("6069021").PN. USPĀT;	
US-PGI	
EPO; C	
DERWEN	NT;
IBM TI	'

	0	((latticeadjmatchinglatticeadjmismatch)and2	DUSPATCC1s.2 US-PGPUB; EPO; JPO; DERWENT; IBM TDB	52003110¢23.29719\$	1.cc
-	359	(lattice adj matching lattice adj mismatch) and (257/79.ccls. 257/8\$1.ccls. 257/9\$1.ccls. 257/100.ccls. 257/102.ccls. 257/103.ccls.)	USPĀT	2003/10/23 19:13	
_	20	(lattice adj matching lattice adj mismatch).ti,ab,clm. and group adj III and (257/79.ccls. 257/8\$1.ccls. 257/100.ccls. 257/101.ccls. 257/102.ccls. 257/103.ccls.)	USPAT	2003/10/23 19:13	